

TOTH, Geza

10486, 10487 and 10488 are identified from evidence of low
concentration on 10486. 10487 and 10488 are 10486 -
266 Ag 104.

TOTH, Geza, dr.; SIMON, Tibor

Measuring and comparing the material consumption of manual and mechanical paint spraying. Bor cipo 14 no.4:99-102 JI 164.

1. Pecs Factory Unit of the Leather Industry Enterprise.

TOTH, Geza, a kemiai tudományok doktora; ORKENYI, Janos, dr.

Tensile strength studies in leather fibers by acoustic investigations. Bor cipo 10 no.1:1-4 Ja '60.

1. Pesci Borgyar.

TOTH, Geza, a kemiai tudományok doktora.; ORKENYI, Janos, Dr.

Study of the rupture of leather fibers by acoustical tests. Bor
cipo 10 no.1:1-4 Ja '60.

1. Pecsí Borgyar (for Toth).

KERPAN, Istvan; TOTH, Geza

The effect of atmospheric humidity on the capacity of polystyrol
condensers. Hir techn 13 no.5:186-190 0 '62.

1. Beloiannis Hiradastechnikai Gyar, Kondenzator Laboratorium.

TOTH, Geza

Examination of iodine adsorption on platinum surface by ¹³¹I
tracer. Koz fiz kozl MTA 10 no.2:101-112 '62.

HUNGARY

FALVI, Irma, Dr, TORO, Gera, OSÁNY, László, AFRA, Pongor, Dr, ZOLTAN, László, Dr; Budapest Medical University, Institute of Histology and Development (Budapesti Orvostudományi Egyetem Szövet- és Fejlődéstan Intézete) (director: TORO, Imre, Dr, academician), National Neurological Scientific Institute (Országos Idegsebészeti Tudományos Intézet) (director: ZOLTAN, László, Dr).

"Behavior of Gliomas in Tissue Culture II. Effect of X-Rays on the Phosphorus Metabolism of Glioma Cultures."

Budapest, Ideggyógyászati Szemle, Vol XIV, No 3, Mar 62, pages 93-96.

Abstract: [Authors' Hungarian summary] Phosphate metabolic tests were carried out on glioma tissue cultures 6 and 22 hours after single irradiation of the tissue with 5000 r. The irradiated cultures showed elevated activity in acid-soluble phosphorus fractions than did the controls. The activity of the lipid and DNA (deoxyribonucleic acid) fractions, on the other hand, was lower than that of the controls. Normal tissues show no consequent changes in their phosphorus metabolism after irradiation with single large doses of X-rays. 2 Hungarian, 18 Western references.

1/1

TOTH, Geza, a kémiai tudományok doktora

Wear resistance of sole leathers manufactured by various technological processes. Bor cipo 12 no.5/6:146-150 0 '62.

1. Pecsí Borgyár.

TOTH, Geza, a kemiai tudományok doktora

Newer investigations in connection with the fibrous structure of leather. Bor cipo 12 no.1:1-6 Ja '62.

1. Pecsí Borgyár.

(Leather) (Collagen)

TOTH, Geza, a kemiai tudományok doktora (Pecs); ELTER, Jozsef (Pecs)

Influence of the production temperature on the tensile strength of leather. Bor cipo 11 no.6:175-176 N '61.

1. Pecsí Borgyar.

TOTH, GEZA

SURNAME (in caps); Given Names

Country: Hungary

Academic Degrees:

Affiliation: Institute of Histology and Embryology of the Medical
University of Budapest (A Budapesti Orvostudományi
Egyetem Szöveti és Fejlődési Intézete);
Director (Igazgató): Imre TORO, Dr, Professor, Academician

Source: Budapest, Biológiai Közlemények, Vol IX, No 1, 1961, pp 55-62
Data: "Cytological Investigations of Food Ingestion and Digestion
of a Histophagous Ciliate (Tetrahymena Corlissi)."

Authors:

MULLER, Miklos, Dr

TORO, Imre, Dr

RCHLICH, Pal, Dr

TCTH, Jozsef

TOTH, Geza

FEHER, Istvan, dr., Kossuth-díjas; WEITZNER, Pater; SOMOS, Istvan; MÁTY, Jozsef;
ERDI, Pal, dr.; KOVACS, Gabor; ARVAI, Bela; TOTI, Geza, dr.; DOMBOS,
Laszlo

The 1964 general meeting arranged by the Scientific Association of
the Leather Industry. bor tipo 14 no.4:97-99 J1 '64.

1. Director, Research Institute of the Leather Industry; Editor-in-
Chief, "Bor- es Cipotechnika" (for Feher). 2. Secretary General,
Scientific Association of the Leather Industry (for Weitzner). 3.
Minister of Light Industry, Budapest (for Maty). 4. Editorial board
member, "Bor- es Cipotechnika" (for Erdi). 5. Szombathely Shoe Factory
(for Kovacs and Arvai). 6. Leather Industry Enterprise (for Toti). 7.
Tisza Shoe Factory (for Dombos).

TOTH, GEZA

MULLER, Miklos, dr. (Budapest, IX. Tuzolto u.58.); TORO, Imre, dr., eryst.
tanar, akademiai, igazgato (Budapest, IX. Tuzolto u.58.); ROCHLICH, Pal,
dr. (Budapest, II Tuzolto u.58.); TOTH, Jozsef (Budapest, II. Tuzolto
u.58.); TOTH, Geza (Budapest, IX. Tuzolto u.58)

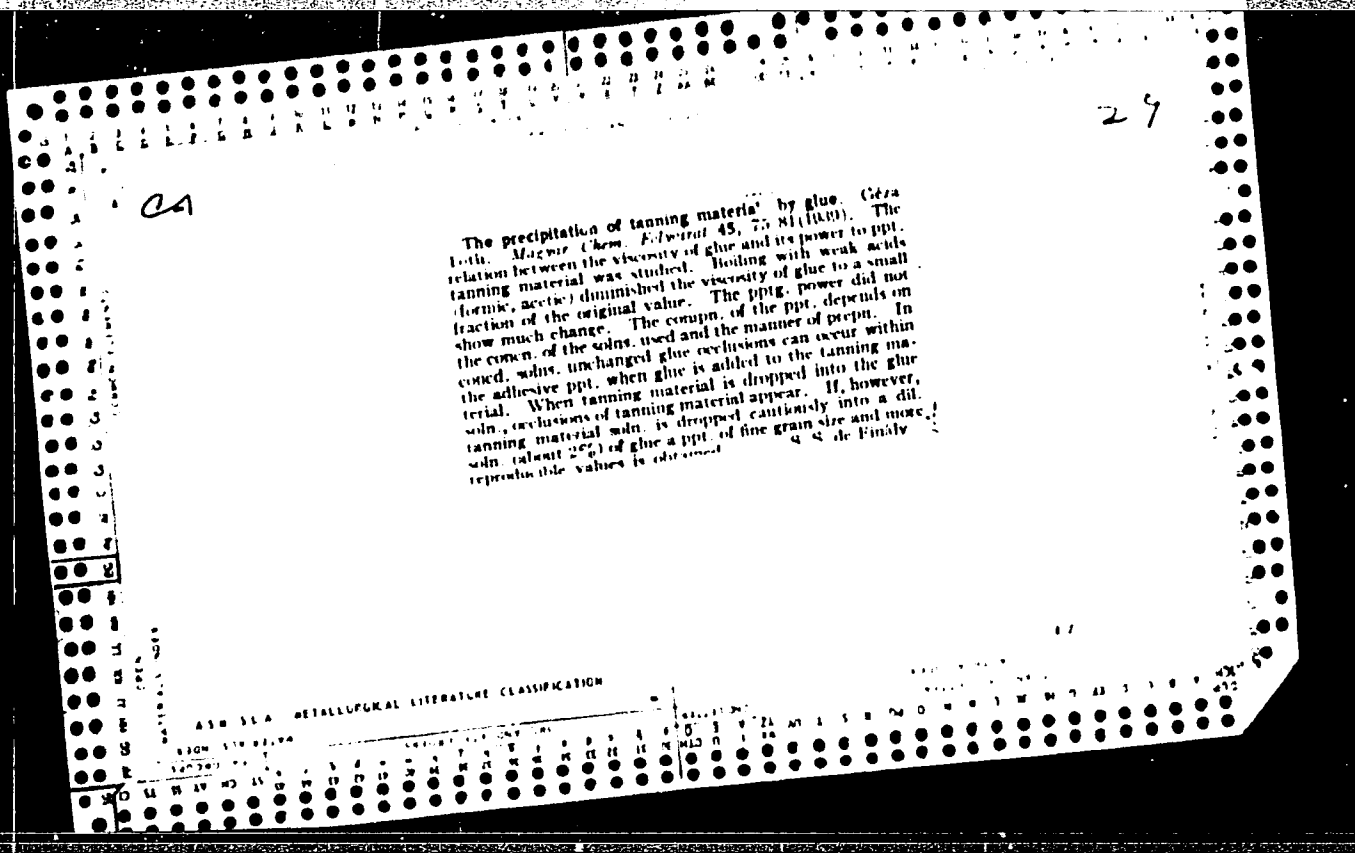
Cytological investigations of the pabulum and digestion of a Tetra-
hymena corlissi. Biol kozl 9 no.1:55-62 '61.

1. Budapesti Orvostudományi Egyetem Szovetani es Fajlodevani
Intezete. 2. Magyar Tudomanyos Akademia (for Toro).

GYEVAI, Angela; TOTH, Geza; CSAKY, Laszlo

P32 in the study on heart metabolism in rats receiving corhomon and isolanid. Kiserl. orvostud. 14 no.1:68-73 Mr '62.

1. MTA KOKI Morphologiai Osztalya es Orvostudomanyi Egyetem Szovet-
es Fejlodestani Intezete, Budapest.
(MYOCARDIUM metab) (PHOSPHORUS radioactive)
(HEART extract) (DIGITALIS pharmacol)



CA

Investigations on the separation of some enzymes of emulsin by means of chromatography. *Geza Luth-Magyar Chem. Folyóirat* 45, 1008 (1959). A 1% aq. soln. of emulsin (Merck) was led through a 5-cm. layer of bauxite. This layer retained 70% of β glucosidase. The filtrate contained 3% of β glucosidase, 10% of α galactosidase and 90% of chitinase. A second, 4-cm. layer of bauxite was used for chromatography to retain 75% of α galactosidase. The filtrate contained practically no β glucosidase nor β galactosidase and consisted chiefly of chitinase. The adsorbed enzymes could always be easily dissolved by dil. ammonia. The bauxite used was commercial ore finely powd. and mixed with 30% quartz sand to increase its permeability. S. S. de Finais

EA

29

The manufacture of synthetic tanning agents. *Giers*
Tóth, *Magyar Kém. Lapja* 5, 231 (1959). A detailed
summary with 46 references. István Fényes

Recovery of chromium from waste tanning liquors
 Chou, Tshun-Hung 128,229, Nov. 15, 1947. Cr salts
 are pptd. by treatment of tanning liquors at 60-100° with
 15-20% of the theoretically calcd. amt. of Ca(OH)₂ or Mg(OH)₂.
 The filtered ppt. is boiled with 50-60% of the theoretically
 calcd. amt. of H₂SO₄, or a part of the H₂SO₄ may be re-
 placed by malic, formic, or tartaric acids. I. F.

ASB-554 METALLURGICAL LITERATURE CLASSIFICATION

29

0.1

The basicity of chromium tanning liquids. (Géza Tóth and Béla Tóth (First Leather Factory, Pécs-Hungary), Magyar Kém. Lapja 4, 714-10(1949). The method of Stiasny (C.A. 25, 2325) appeared to be unsuitable for detg. the basicity of Cr tanning baths in the presence of Ni salts, since the titration value of such baths with phenol-

phthalein gives no reliable information of the tanning effects. The following method was worked out: Det. Cr by oxidation and volumetric titration. To 300 ml. freshly boiled water in a 1 l. Erlenmeyer flask add 3 ml. of a 1 to 4 mixt. 0.04% KIOH soln. of brom-cresol purple and 0.04% KIOH soln. of brom-thymol blue, and 10 ml. of the aq. soln. of chromium ammonium alum. Titrate hot with 0.1 N NaOH until the color of the green ppt. turns to blue gray; boil again and titrate until the liquid above the ppt. is a definite blue. Basicity = $100(a - b)/a$, where a is Cr, and b the result of the acid titration. Tanning expts. proved that hide powder absorbs less Cr_2O_3 from ammonium chromium alum in the presence of an identical amt. of Na_2CO_3 than from potassium chromium alum. The absorption of Cr_2O_3 can be increased to a similar level by adding 15% more Na_2CO_3 . I. Finkly

OSZLACZKY, Szilard, dr.; TOTH, Geza

Observing the gravitational effect of the sun and the moon in
Hungary. Geofiz kozl 13 no.1:39-48 '64.

1. Editorial Board Member, "Geofizikai Kozlemenyek" (for Oszlaczky).

TOTH, Geza, a kemiai tudományok doktora; ELTER, Jozsef

Influence of processing temperature on the tensile strength
of leather. Bor cipo III no.6:175-176 N '61.

1. Pecsí Bányász.

FARKAS, Tibor (Tihany, Biologia, Hungary); HERODEK, Sander (Tigany, Biologia, Hungary); CSAKI, Laszlo (Budapest IX, Tuzolto u.58, Hungary); TOTH, Geza (Budapest IX, Tuzolto u.58, Hungary)

Incorporation of acetate $-1-^{14}C$ into the liver fatty acids in the fish *Amiurus nebulosus*. Acta biol Hung 12 no. 1:83-86 '61.

1. Biological Research Institute of the Hungarian Academy of Science, Tihany (Head: E. Woynarovich). Department of Histology and Embriology, Medical University, Budapest (Head: I. Toro).

TOTH, Geza, a kemiai tudományok doktora

Correlation between the histological structure of leather
and production technologies. Bor cipo 14 no. 1: 5-9 Ja '64.

1. Boripari Vallalat.

TOTH, Goza, a kemial tudományok doktora

Gold resistance of the finish of chrome upper leathers. Ber
cipo 15 no.2:33-35 Mr '65.

1. Leather Industry Enterprise.

TOTH, Geza, a kemiai tudományok doktora; ELTER, Jozsef

Data on the warming up of leathers. Bor cipo 10 no.6:167-170
N '60.

1. Pecsí Borgyár.

TOTH, Geza, a kemiai tudományok doktora

The structure and synthetic production of collagen fibers.
Pecsi musz szeml 9 no.4:1-10 Q-D '64.

1. Pecs Shoe Factory, Pecs, Editorial board member, "Pecsi
Muszaki Szemle."

TOTH, Geza, a kemiai tudományok doktora; ELTER, Jozsef

Effect of production temperature on the tensile strength
of leather. Bor cipo 15 no.1:6-8 Ja '65.

1. Pecs Factory Unit of the Leather Industry Enterprise.

TOTH, Geza, a kemiai tudományok doktora

Correlations among the strength characteristics of various
leathers. Bor cipo 11 no.5:129-132 S '61.

1. Pecsí Borgyár.

L 27439-66

ACC NR: AP6001960

SOURCE CODE: HU/0018/65/017/001/0088/0092

AUTHOR: Harsing, Laszlo--Kharshing, L.; Kover, Gyorgy--Kever, D.; Malyusz, Miklos--
Mayus, M.; Toth, Gigella--Tot, G. 21

ORG: Institute of Physiology, Medical University of Budapest, Budapest
(Orvostudományi Egyetem Elektani Intézet) B

TITLE: Function of the isolated kidney

SOURCE: Kiserletes Orvostudomány, v. 17, no. 1, 1965, 88-92

TOPIC TAGS: urology, biochemistry, excretion, blood, hematology, internal medicine

ABSTRACT: In the isolated kidney, renal resistance was found to be higher, diuresis, PAH and creatinine clearances as well as Na excretion lower than in the in situ kidneys used as controls. The hemodynamic changes can be explained by the increase in preglomerular resistance. The lesser water and Na excretion is presumably related to a decrease in glomerular filtration. Orig. art. has: 8 formulas and 2 tables. [JPRS]

SUB CODE: C6 / SUBM DATE: 12May64 / OTH REF: 014

Cord 1/1

TOTH, Gyorgy

Radio reception without a transmitter. Ujit lap 15 no.13:12
10 J1 '63.

10TH, Gyorgy, dr.; VIRAG, Istvan, dr.; LUX, Erno, dr.; ROLAI, Ferenc, dr.

Bone marrow disease in an infant caused by antiepileptic treatment (Sacerno) of the mother during pregnancy. Orv. hetil. 106 no.22:1029-1030 30 My'65.

1. Szegedi Orvostudományi Egyetem, Gyermekklinika.

HUNGARY

SZORADY, Istvan, TOTH, Gyorgy, GAZDAG, Istvan; Medical University, Pediatric Clinic and X-Ray Clinic (Orvostudományi Egyetem Gyermekklinika-ja és Röntgenklinikája), Szeged.

"Observations Concerning the Protective Action of Pantothenic Acid Against Radiation."

Budapest, Kiserletes Orvostudomány, Vol 15, No 2, Apr 63, pp 134-136.

Abstract: [Authors' Hungarian summary] Preliminary tests indicate that the life-span of mice exposed to whole body X-ray irradiation may be lengthened by a prior treatment with pantothenic acid. It may be assumed that the mechanism of the protective action is dependent on the effect of pantothenic acid on the protection of the epithelium and the capillary walls, and its activating role in tissue regeneration, protein synthesis, antibody production and corticoid synthesis, and also its general anti-allergic properties. Details of the protective action must be worked out by further study. Of 37 references, 8 are Eastern European, the rest is Western.

1/1

HUNGARY

TOTH, Gyorgy, Dr, VIRAG, Istvan, Dr; Medical University of Szeged, Pediatric Clinic (director: BODA, Domokos, Dr) (Szegedi Orvostudományi Egyetem, Gyermekklinika).

"The Technique of Exchange Transfusion. Description of a New Apparatus."

Budapest, Orvosi Hetilap, Vol 107, No 17, 24 Apr 66, pages 793-794.

Abstract: [Authors' Hungarian summary] A survey of various methods of exchange transfusion is followed by the description of the apparatus used by the authors. It has a few new features such as a special stopcock, the use of paired syringes and a new method of heparinization. It is suited for the simple and safe performance of the exchange transfusion in a closed system. 4 Hungarian, 22 Western references.

1/1

SZABO, Lajos, dr.; TOTH, Gyorgy, dr.; MOLNAR, Lajos, dr.

On phenylketonuria (data on the incidence in Hungary and therapy).
Orv. hetil. 102 no.29:1361-1366 16 J1 '61.

1. Szegedi Orvostudományi Egyetem, Gyermekklinika és a Szegedi Állami
Egészségügyi Gyermekotthon.

(PHENILPYRUVIC OLIGOPHRENIA)

SZORADY, Istvan, dr.; TOTH, Gyorgy, dr.; TAKACS, Odon, dr.

Glutarimide therapy of asphyxia neonatorum. Orv.hetil. 101 no.52:
1850-1853 25 D'60.

1. Szegedi Orvostudományi Egyetem, Gyermekklinika és Eletti Intezet.

(ASPHYXIA NEONATORUM ther)
(ANALEPTIC ther)

SZORADY, Istvan; TOTH, György; GAZDAG, Istvan

Observations on the radio protective effect of pantothenic acid.
Kiserl. orvostud. 15 no.2:134-136 Ap '63.

1. Szegedi Orvostudományi Egyetem Gyermekgyógyászati és Röntgenklinikája.
(PANTOTHENIC ACID) (RADIATION-PROTECTIVE AGENTS)

TOTH, Gyorgy; HEGEDUS, Gyula

Implementing the Party decision on the development of machine industry at the Telecommunications Machine Factory. Munka 12 no.12:12-13 D '62.

1. Híradastechnikai Gépgyár igazgatója (for Toth).
2. Híradastechnikai Gépgyár szakszervezeti bizottsági titkara (for Hegedus).

TOTH, GY.

Science

"A MAGYAR TUDOMANYOS AKADEMIA KOZPONTI FIZIKAI KUTATO INTEZETENEK KOZLEMEI"

Separation of Th, Zr, and Nb from sulfate media by anion exchange. p. 66

Vol. 6, No. 1/2, Jan./April 1958

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 4, April 1959
Unclas.

Distr: 4E2c

19. Separation of ¹⁷Th, Zr and Nb From Sulphate Media by Anion Exchange.¹ 5
F. Molnar, Gy. Toth. A Magyar Tudományos Akadémia Központi Fizikai Kutató
Intézetének Közleményei (Proceedings of the Central Research Institute for Physics
of the Hungarian Academy of Sciences), Vol. 6, 1958, No. 1-2, pp. 66-70, 2 tabs.

The anion exchange adsorption rate of Th, Zr and Nb was studied from sulphate solutions. For the experiments a Hungarian-made quaternary amine type of resin (Mykion PA) was used. It was established that the differences between the distribution ratios of Th, Zr and Nb render possible the separation of these elements from sulphate solutions by means of ion exchange, the separations were carried out on the basis of the above studies on distribution.

(retyped clipped abstract)

db

Card 1/1

mc

gi

HUNGARY / Analytical Chemistry. Inorganic Analysis.

E

Abs Jour : Ref Zhur - Khimiya, No 23, 1959, No. 81904

Author : Molnar, F.; Toth, Gy.

Inst : Not given

Title : Anion Exchange Separation of Thorium, Zirconium,
and Niobium in Sulfuric Acid Medium

Orig Pub : Acta chim. Acad. scient. hung., 1959, 19, No 1,
75-81

Abstract : See RZ Khim, No 8, 1959, No. 26997

Card 1/1

ECKERT, dr.ing.; URVOLGYI, Ferenc Konrad; TOTH, Gy. Istvan

Application of gas turbines in motor vehicles. Jarmu mezo gep
9 no.8:284-295 Ag '62.

TOTH, Gyula

New characteristics of socialist competition in the field
of chemical industry. Munka 13 no.6:18-19 Je '63.

1. Vegyipari Dolgozok Szkszervezete kozgazdasagi osztalyanak
helyettes vezetoje.

1990, Cyba

One year's experience of the Pecs Division of the Scientific Association of Measuring Technique and Automation. Pecai musz szeml 7 no.2/3:49-4 of cover Ap-S '62.

1. Pecai Hoeromu.

TOTH, Gyula, muszaki eloadó

*Preparing jointless tracks for forest railroads. Erdo 13
no.6:244-245 Je '64.*

1. State Forestry of the Western Bukk Mountains, Eger.

TOIN, Cyula

General situation of the specialists on innovation and invention.
Ujlt lap 17 no.5 13-14 16 Mr '65.

TOTH, Gyula, okl. kohomernok

Pickling with sodium hydride. Koh lap 95 no.1:46-47 Ja '62.

(Metals--Pickling) (Sodium hydride)

TOTH, I.

"Letter from the Soviet Union." p. 90. (KOZLEKEL ESTUDOMANYI SZEMLE, Vol. 3, no. 3, Mar. 1953. Budapest.)

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress
August, 1953, Uncl.

(U.S. 10-1)

H.T.A.

676.15.031.1

61 Foliage trees as raw material for the paper and pulp industry — *A lomboslat, mint sapla is cellulózipari nyersanyag* — by Mrs. I. Matton and L. Toth. (Paper and Printing — *Papír- és Nyomdatechnika* — Vol. III, No. 4, pp. 7-10, May 1951, 15 tabs.)

In order to replace pine trees by foliage trees, Hungarian foliage trees were examined as to their morphological as well as chemical characteristics, and pertinent measurements were effected. The tests were carried out with shredded pulp treated with sodium hydroxide and acid calcium bisulphite with sodium bisulphite added. Comparisons of the results were based on the breaking length and on the degree of beating obtainable

within 30 minutes. It was shown that the examined substances were good substitutes for fir due to their quick growth, satisfactory cellulose content and because they can be ground rapidly. Of the various kinds of poplars the late and early budding (*Populus marilandica*, *P. serotina*) and giant poplars (*P. robusta*) are the most suitable, and of the other foliage trees hornbeam (*Carpinus betulus*), plane (*Platanus orientalis*), and maple (sycamore) (*Acer pseudoplatanus*) produce the best results. Since the latter grows rapidly and is suited for the manufacture of pulp in other respects as well, its wide-spread planting in Hungary has been projected.

METALLURGICAL LITERATURE CLASSIFICATION									
FROM SIMILAR					FROM DOMESTIC				
FROM SIMILAR					FROM DOMESTIC				
<p><i>31</i></p> <p>Cukoripar THE SUGAR INDUSTRY Vol. 111. - 1950 No. 11, Nov.</p> <p><i>1. 10th. 20th</i> Introducing the movement for saving material in the sugar industry. (19 25)</p>									

Total.

TOTH, L.; RAPP, Sz.; TROTSKY, A.

"Pollution of the Water of the Tisza River", p. 334, (OFFICIAL JOURNAL,
Vol. 33, No. 9/10, Sept./Oct. 1953, Budapest, Hungary)

SC: Monthly List of East European Accessions (LEAL), 10, Vol. 4, No. 3,
March 1955, Uncl.

Toth, I.

✓ Toth, I. Mathematicians of the Middle Ages in central
Asia. Acad. R. P. Romine. An. Romli.o-Soviet. Ser.
Mat.-Fiz. (3) 9 (1955), no. 3, 74-83. (Romanian) 1 - P/7

TOTE, I.; JACOBIC, C.

TOTE, I.; JACOBIC, C. Solving the problem of battery production from synthetic fibers using cotton-knitting machines. In: 8th.

Vol. 5, No. 10, Oct. 1956.

TECHNICAL

TECHNOLOGY

Belgrade, Yugoslavia

See: East European Association, Vol. 6, No. 2, February 1957

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756410014-2

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756410014-2"

TOTH, I.

INvestigation of the heavilyloaded biological fillter plant o the Matrahaza
Sanatorium for Pulmonary Diseases.

P. 184 (Hidrologiai Kozlony. Hydrological Journal . Vol. 37, no. 2, 1957
Budapest, Hungary)

MONTHLY Index of East European Accessions (FEAI) LC. Vol. 7, no. 2,
February 1958

EXCERPTA MEDICA Sec.14 Vol.12/5 Radiology May 1958

TÓTH I.
834. THE LACUNAR SKULL - A léckoponya - Tóth I. Máv Kórház és Központi
Rendelő Intézet, Budapest - MAG. RADIOL. 1957, 9/1 (23-25) Illus. 3

The lacunar skull is an evolutionary anomaly of the prenatal period, generally associated with meningocele, spina bifida, rachischisis and other anomalies (cleft-palate, hare lip, clubfoot). Concomitant ascending meningitis has in general a lethal outcome. Case report of a male infant of normal pregnancy and birth with dilated cranial sutures and a lumbar meningocele. The largest part of the frontal and parietal bones contained extensive unossified areas surrounded by thin osseous trabeculations. Death occurred following purulent meningitis.

Györgyi - Budapest

SZABO, G.;TOTH, I.

Antidiuretic effect of quine derivatives. *Magy. belorv. arch.* 5 no.4:
149-154 Dec 1952. (CJML 25:5)

1. Doctors. 2. First Internal Clinic (Director -- Prof. Dr. Istvan
Rusznayak), Budapest Medical University.

CA

The action of vitamins on the electropotential of various bacteria. I. Váral and L. Jellí (Eszék Univ., Hungary). Z. Immunitäts. 105, 285 (1940). The action of ascorbic acid, lactoflavin, nicotinic acid, and p-aminobenzoic acid on the electropotential of colon and diphtheria bacilli and staphylococci in 0.5% dextrose broth and liquid Clauberg medium was studied. The action of these vitamins on the electropotential is small. An exception is the marked increase of the reduction state produced by ascorbic acid acting on diphtheria bacilli. Small amounts of p-aminobenzoic acid produce a profound and lasting reduction potential corresponding to a stimulation of bacterial growth. Higher concns. inhibit the growth of bacteria, flatten the electropotential curve, and result in the formation of atypical giant forms of the bacteria. These expts. confirm the concept of p-aminobenzoic acid as the growth vitamin of bacteria. [H. L.]

ASS-SL-6 METALLURGICAL LITERATURE CLASSIFICATION

FROM DIVISION **GROUPS** **MIP** **ONLY USE** **SELECTIONS** **EX** **A** **L** **S** **N** **O** **H** **V** **T** **M** **G** **C** **B** **P** **D** **E** **F** **G** **H** **I** **J** **K** **L** **M** **N** **O** **P** **Q** **R** **S** **T** **U** **V** **W** **X** **Y** **Z** **AA** **AB** **AC** **AD** **AE** **AF** **AG** **AH** **AI** **AJ** **AK** **AL** **AM** **AN** **AO** **AP** **AQ** **AR** **AS** **AT** **AU** **AV** **AW** **AX** **AY** **AZ** **BA** **BB** **BC** **BD** **BE** **BF** **BG** **BH** **BI** **BJ** **BK** **BL** **BM** **BN** **BO** **BP** **BQ** **BR** **BS** **BT** **BU** **BV** **BW** **BX** **BY** **BZ** **CA** **CB** **CC** **CD** **CE** **CF** **CG** **CH** **CI** **CJ** **CK** **CL** **CM** **CN** **CO** **CP** **CQ** **CR** **CS** **CT** **CU** **CV** **CW** **CX** **CY** **CZ** **DA** **DB** **DC** **DD** **DE** **DF** **DG** **DH** **DI** **DJ** **DK** **DL** **DM** **DN** **DO** **DP** **DQ** **DR** **DS** **DT** **DU** **DV** **DW** **DX** **DY** **DZ** **EA** **EB** **EC** **ED** **EE** **EF** **EG** **EH** **EI** **EJ** **EK** **EL** **EM** **EN** **EO** **EP** **EQ** **ER** **ES** **ET** **EU** **EV** **EW** **EX** **EY** **EZ** **FA** **FB** **FC** **FD** **FE** **FF** **FG** **FH** **FI** **FJ** **FK** **FL** **FM** **FN** **FO** **FP** **FQ** **FR** **FS** **FT** **FU** **FV** **FW** **FX** **FY** **FZ** **GA** **GB** **GC** **GD** **GE** **GF** **GG** **GH** **GI** **GJ** **GK** **GL** **GM** **GN** **GO** **GP** **GQ** **GR** **GS** **GT** **GU** **GV** **GW** **GX** **GY** **GZ** **HA** **HB** **HC** **HD** **HE** **HF** **HG** **HH** **HI** **HJ** **HK** **HL** **HM** **HN** **HO** **HP** **HQ** **HR** **HS** **HT** **HU** **HV** **HW** **HX** **HY** **HZ** **IA** **IB** **IC** **ID** **IE** **IF** **IG** **IH** **II** **IJ** **IK** **IL** **IM** **IN** **IO** **IP** **IQ** **IR** **IS** **IT** **IU** **IV** **IW** **IX** **IY** **IZ** **JA** **JB** **JC** **JD** **JE** **JF** **JG** **JH** **JI** **JJ** **JK** **JL** **JM** **JN** **JO** **JP** **JQ** **JR** **JS** **JT** **JU** **JV** **JW** **JX** **JY** **JZ** **KA** **KB** **KC** **KD** **KE** **KF** **KG** **KH** **KI** **KJ** **KL** **KM** **KN** **KO** **KP** **KQ** **KR** **KS** **KT** **KU** **KV** **KW** **KX** **KY** **KZ** **LA** **LB** **LC** **LD** **LE** **LF** **LG** **LH** **LI** **LJ** **LK** **LL** **LM** **LN** **LO** **LP** **LQ** **LR** **LS** **LT** **LU** **LV** **LW** **LX** **LY** **LZ** **MA** **MB** **MC** **MD** **ME** **MF** **MG** **MH** **MI** **MJ** **MK** **ML** **MM** **MN** **MO** **MP** **MQ** **MR** **MS** **MT** **MU** **MV** **MW** **MX** **MY** **MZ** **NA** **NB** **NC** **ND** **NE** **NF** **NG** **NH** **NI** **NJ** **NK** **NL** **NM** **NN** **NO** **NP** **NQ** **NR** **NS** **NT** **NU** **NV** **NW** **NX** **NY** **NZ** **OA** **OB** **OC** **OD** **OE** **OF** **OG** **OH** **OI** **OJ** **OK** **OL** **OM** **ON** **OO** **OP** **OQ** **OR** **OS** **OT** **OU** **OV** **OW** **OX** **OY** **OZ** **PA** **PB** **PC** **PD** **PE** **PF** **PG** **PH** **PI** **PJ** **PK** **PL** **PM** **PN** **PO** **PP** **PQ** **PR** **PS** **PT** **PU** **PV** **PW** **PX** **PY** **PZ** **QA** **QB** **QC** **QD** **QE** **QF** **QG** **QH** **QI** **QJ** **QK** **QL** **QM** **QN** **QO** **QP** **QQ** **QR** **QS** **QT** **QU** **QV** **QW** **QX** **QY** **QZ** **RA** **RB** **RC** **RD** **RE** **RF** **RG** **RH** **RI** **RJ** **RK** **RL** **RM** **RN** **RO** **RP** **RQ** **RR** **RS** **RT** **RU** **RV** **RW** **RX** **RY** **RZ** **SA** **SB** **SC** **SD** **SE** **SF** **SG** **SH** **SI** **SJ** **SK** **SL** **SM** **SN** **SO** **SP** **SQ** **SR** **SS** **ST** **SU** **SV** **SW** **SX** **SY** **SZ** **TA** **TB** **TC** **TD** **TE** **TF** **TG** **TH** **TI** **TJ** **TK** **TL**

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"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756410014-2

APPROVED FOR RELEASE: 04/03/2001

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1076-4
 / Synthesis of chloramphenicol. G. Fodor, I. Tóth, E. Kovacs, and J. Kós (Univ. Szeged, Hung.). *Izvest. Akad. Nauk S.S.S.R., Otdel. Khim. Nauk* 1955, 441-61; *Bull. Acad. Sci. U.S.S.R. Div. Chem. Sci.* 1955, 201-90 (Engl. translation); cf. Fodor, *et al.*, *C.A.* 44, 7273g. --PhCH(OAc)-CH(OAc) (90 g.) in 450 ml. PhMe added to 400 g. NaNO₂ in 250 ml. H₂O in a dark vessel, the stirred mixt. treated 7 hrs. at 0° with 1.4 l. 20% H₂SO₄ with occasional bubbling of CO₂ to break the foam and the MePh layer filtered gave the crude product, which, washed with EtOH and EtOH-Et₂O, yielded 89 g. *DL-erythro-PhCH(NO₂)CH(NO₂)CH₂OH* (I), m. 124°, discoloring after several weeks' storage. This (50 g.) treated with stirring in 224 ml. Ac₂O at 25-9° over 10 min. under CO₂ with 24 g. concd. H₂SO₄ and 72 ml. Ac₂O, stirred 50 min. longer, diluted with 1 l. ice water, and kept 3-4 days in a refrigerator gave 69% *DL-threo-PhCH(OAc)CH(NO₂)CH₂OH* (II), m. 72° (from EtOH). (Cl-CHCO₂Me in the above reaction similarly gave, after treatment of the quenched product with Na₂CO₃ and NaOAc 45% *DL-threo-PhCH(OAc)CH(Cl)CH₂OH* (III), m. 74° (crude), m. 82° (from EtOH). I (54 g.) in 960 ml. Me₂CO treated over 10 min. with 1.150 l. N HCl, then refluxed 3.5 hrs., concd., treated with 130 g. NaHCO₃, extd. with Et₂O, and the ext. shaken with KHSO₄ gave 69.5% *DL-threo-PhCH(OH)CH(NO₂)CH₂OH*, m. 82-5° (from Et₂O-petr. ether). Hydrogenation of I in AcOH over Pd/C at 40 atm. gave 50% *DL-threo-PhCH(OH)CH(NH₂)CH₂OH* (IV), m. 138-9° (cf. U.S. 2,485,285, *C.A.* 45, 963a), which (1 g.), kept 24 hrs. with 5 ml. quinoline and 1.5 g. Ac₂O, gave 1.1 g. *DL-threo-PhCH(OAc)CH(NHAc)CH₂OH* (V), m. 79-80°. III refluxed 2 hrs. with 5% HCl gave 50% *DL-threo-PhCH(OH)CH(NH₂)CH₂OH* HCl, m. 192 (cf. U.S. 2,513,346, *C.A.* 45, 179a). I hydrogenated in

AcOH-(CO₂H)₂ over Pd/C at atm. pressure gave 50.5% *DL-threo-PhCH(OH)CH(NH₂)CH₂OH* bisulfate, m. 139-40° (from EtOH), which yielded the free base, m. 82-3°. Electrolytic reduction of I in 100 ml. AcOH and 200 ml. 90% EtOH with a Hg-pool electrode and 20% H₂SO₄ electrolyte in a porous cup at 0.07 amp./sq. cm. and 44-5° the catholyte being acidified with HCl gave in 3 hrs. from 14 g. I, 2.4 g. *DL-threo-PhCH(OH)CH(NHAc)CH₂OH*, m. 169-70° (from AcOH). II similarly treated in abs. HCl at 35-7° gave 28% Cl-free product, m. 168°. PhCH(OH)CH(NH₂)CH₂OH (16.7 g.) in 100 ml. H₂O and 200 ml. EtOAc treated with stirring in 50 min. with 30 ml. 10% NaOH at 30°, with the pH kept at 8-8, the aq. phase extd. with EtOAc, the combined org. solns. evapd., and the residue treated with abs. EtOH-HCl gave 50.5% *DL-threo-PhCH(OH)CH(NH₂)CH₂OH* HCl, m. 178°, which with K₂CO₃ gave the free base, m. 136-8°, identified as *DL-threo-PhCH(OH)CH(NHAc)CH₂OH*. Cl-CHCO₂Me instead of EtOAc in the above gave 64.8% *DL-threo-PhCH(OH)CH(Cl)CH₂OH* (VI), m. 135°. The latter (15.75 g.) treated with 45 ml. H₂O and 90 ml. EtOAc, then at 25° with 3.45 g. K₂CO₃, stirred 5 min., and extd. with EtOAc gave 75% *DL-threo-PhCH(OH)CH(NHAc)CH₂OH* (VIIA), m. 94-5° (from 50% EtOH), which stirred with pyridine-Ac₂O 0.5 hr. at 100°, yielded 83% *DL-threo-PhCH(OAc)CH(NHCOCH₂)CH₂OH* (IIIB), m. 94-5° (from 60% EtOH). IIIA kept 15 min. at 70° with Ac₂O gave 72% *DL-threo-PhCH(OH)CH(NHCOCH₂)CH₂OH* (IV), m. 100-1° (from EtOAc petr. ether), which with abs. PhCH(OAc)CH(NH₂)CH₂OH at 0° yielded in 24 hrs. 74% *DL-threo-PhCH(OAc)CH(NH₂)CH₂OH* HCl (IVA), m. 187° (from EtOH-Et₂O). IV (3.2 g.) in 10 ml. dioxane treated with 5 ml. dioxane contg. 0.94 g. HNO₃ at 0° and kept several days at 0° gave 75.5% HNO₃ analog (IVB) of IVA, C₁₀H₁₁N₂O₅, m.

(b) (E) (K)

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(PHOSPHOLIPIDS) (LIPOPROTEINS) (BLOOD CHOLESTEROL)
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Abstract: [Authors' Hungarian summary] Years of experiments were conducted to produce a vaccine for active immunization against hepatitis. The vaccine was to contain the hepatitis virus in weakened enough form so as not to produce the disease in children if administered in quantities (0.01 ml) which would be hepatitogen if native hepatitis serum were used. This was achieved when chemically weakened hepatitis virus was mixed to normal gamma globulin. Of the 122 children vaccinated, none was infected from the vaccine. Without infection, the fact that the virus was actually living could not be proven although previous experiments led to the conclusion. } Western, } Hungarian references.

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luminescence efficiency of microcryst. luminophor layers
was studied spectrophotometrically. The factors affecting
the efficiency are: the energy of incident cathode rays
(sticking potential, voltage drop, back-scattering of elec-
trons), and the optical properties (self-absorption) of the
layers. Detailed data are listed relating to the efficiency
of several silicates and sulfide type phosphors at 10 and 15
kv., 1 microamp./sq. cm. scanning electron beam condi-
tions. The dependence of the efficiency on the voltage and
c.d. of cathode rays was examd. The exptl. arrangement
is described in detail. Friedrich Bostein.

JW
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Distr: 4E3d

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Abs. Jour.: Ref. Zhur.-Biologiya No. 11, 1958. No.49229
Author : Tóth, László
Institute : Not given
Title : An Investigation of Poplar Canker in Hungary

Orig. Pub.: Erdő, 1957, 6, No. 7, 251-256

Abstract : No abstract

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★ Liter. Johann Bolyai. Leben und Werk des
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Not in DLC

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(CORONARY VESSELS)

Instruments and Equipment

HUNGARY

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"Measurement of the Fibrillational Threshold by Means of a Simple Electronic Installation."

Budapest, Kiserletes Orvostudomány, Vol XIX, No 1, Jan 67, pages 71-73.

Abstract: [Authors' Hungarian summary] A method and instrument was developed by the authors for measurement of the fibrillational threshold. The supplementary electronic unit is attached to the grid of the final stage of a cardotester channel and the R wave appearing there serves as the eliciting stimulus. This in turn is used as the starting stimulus of a conventional stimulator. The fibrillational threshold can be measured with ease by means of this method. All 5 references are Western. [Manuscript received 28 Feb 66.]

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TEMES, Gyula, TOROK, Bela, PAP, Janos, TOTH, Imre; Medical University of Pecs, Institute of Surgical Anatomy and Operation Technique (Pecsi Orvostudományi Egyetem, Sebészeti Anatómiai és Műtettani Intézet).

"Evaluation of a Modified Coronary Obstruction Method From the Viewpoint of Experimental Cardiac-Revascularization Operations."

Budapest, Kiserletes Orvostudomány, Vol XIX, No 1, Jan 67, pages 74-78.

Abstract: [Authors' Hungarian summary] The mortality data involving acute coronary obstruction, produced with the unopened thorax method on dogs, are examined by the authors. The mortality obtained (33 per cent) is considerably lower than that in the case of acute descendent ligature in the opened thorax (52-60 per cent). Attention is called to the importance of the descendent ligature testing method from the viewpoint of evaluation of cardiac revascularization operations. 4 Eastern European, 10 Western references. [Manuscript received 28 Feb 66.]

STRAUB, F. Brune, dr., akadémikus; SOO, Rezso, dr., akadémikus; TOTO, Imre, dr.,
akadémikus; DUDICH, Endre, dr.

An account of the work of the Division of Biological Sciences, Hungarian Academy of Sciences. Biol oszt kozl MTA 6 no.3/4:173-215 '63.

1. Magyar Tudományos Akadémia Biológiai Tudományok Osztálya titkara;
"A Magyar Tudományos Akadémia Biológiai Tudományok Osztályának Köz-
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(DIABETES MELLITUS) (OBESITY IN DIABETES)
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TARPATAKY, Gyorgy, okleveles mernok; TOTH, Imre, okleveles mernok (1)

Measurement of the snaking of crane tracks. Geod kart 14 no.5:364-366
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Prevention of damages caused by wild animals to the poplars.
Erdo 12 no.2:84-86 F '63.

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BEZKO, Gyorgy, M.D., BIBOR, Zoltan, M.D., BURGER, Tibor, M.D., FABIAN, Imre, M.D., BOROS, Tibor, M.D., CZUFKO, Geza, M.D., TOTH, Imre, M.D., PINTER, Andras, Senior Medical Student, and SARDI, Ferenc, Senior Medical Student, of the Complex Brigade at the Medical University (Orvostudományi Egyetem Komplexbrigádja) in Pecs. (Director: BEZKO, Gyorgy, M.D.).

"Clinical Findings of the Screening Tests on the Workers in the Production Collectives in Jaras Sellye - Internal Medicine and Surgical"

Budapest, Orvosi Hetilap, Vol 104, No 19, 12 May 1963, pp. 863-872.

Abstract: The incidence and distribution of various internal and surgical diseases was described. Goiters, ulcers, hernia, hypertonia, sclerosis of the arteries, pulmonar emphysema, and motor disturbances were discussed in more detail. Seven references, including 3 Hungarian and 4 Western.

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